

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/534,081
Filed: 05/13/2005
1st Inventor: FUKATSU, K.
For: Receptor Function Regulator
Atty. Dkt. No. 3119US0P

Art Unit: tba
Examiner: tba
Allowed:
Batch:
Paper No.:

Request for Clarification of Notice to Comply with Sequence Listing Requirements

MAIL STOP SEQUENCE

Commissioner for Patents
P.O. Box 1450
Arlington, VA 22313-1450

Sir:

In response to the Notice of Missing Requirements mailed 12/22/05.

The Sequences objected to are siRNA segments which incorporate dTd at the ends.

Applicants believe it was proper to identify the sequence as RNA, Artificial Sequence, and not as a DNA – DNA/RNA. A copy of the notice is attached.

Please Clarify what classification is requested for an siRNA sequence listing.

Respectfully submitted,

Dated: January 11, 2006

(847)383-3372

(847)383-3391



Mark Chao, Ph.D., Reg. No. 37,293
Elaine M. Ramesh, Ph.D., Reg. No. 43032
Attorney for Applicants
Customer No. 23115

Takeda Pharmaceuticals North America, Inc.
Intellectual Property Department
475 Half Day Road
Lincolnshire, IL 60069 USA

CERTIFICATE OF FACSIMILE

TRANSMISSION UNDER 37 CFR 1.8

The undersigned hereby certifies that this paper(s) is(are) being transmitted via facsimile to the Commissioner for Patents, PO Box 1450, Arlington, VA 22313-1450 on this date Jan 11, 2006, to the Central Fax Number 1-571-273-8300.



Mark Chao, Ph.D., Reg. No. 37,293

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365



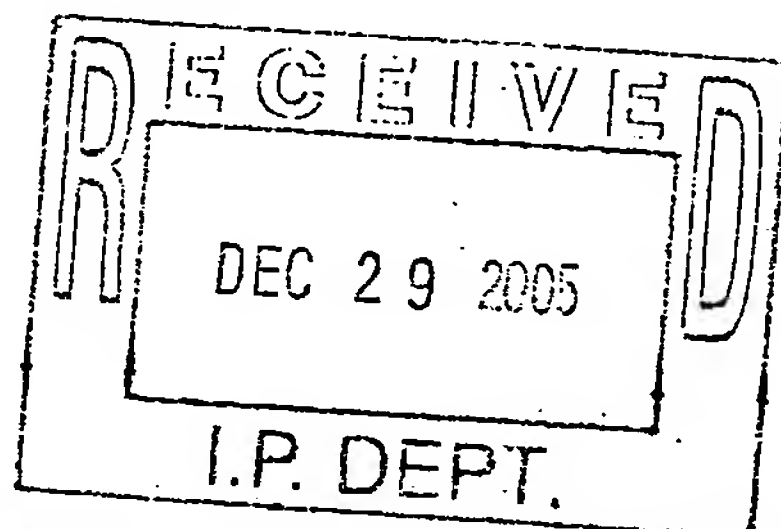
UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/534,081	Kohji Fukatsu	3119 USOP

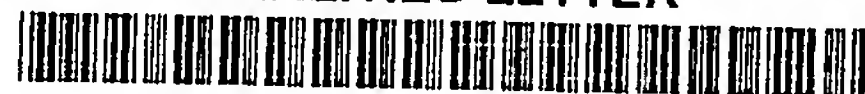
23115
TAKEDA PHARMACEUTICALS NORTH AMERICA, INC
INTELLECTUAL PROPERTY DEPARTMENT
475 HALF DAY ROAD
SUITE 500
LINCOLNSHIRE, IL 60069

INTERNATIONAL APPLICATION NO.	
PCT/JP03/14139	
LA. FILING DATE	PRIORITY DATE
11/06/2003	11/08/2002



CONFIRMATION NO. 8962

371 FORMALITIES LETTER



OC000000017713573

Date Mailed: 12/22/2005

**NOTIFICATION TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS
CONTAINING NUCLEOTIDE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

Applicant is given **TWO MONTHS FROM THE DATE OF THIS NOTICE** within which to file the items indicated below to avoid abandonment. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

- A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked-up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- For Rules Interpretation, call (571) 272-0951
- For Patent Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.
- Send e-mail correspondence for Patent Software Program Help @ ebc@uspto.gov

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

FREDERICK SMITH

Telephone: (703) 308-9140 EXT 210

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PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/534,081	PCT/JP03/14139	3119 US0P

FORM PCT/DO/EO/922 (371 Formalities Notice)

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STIC Biotechnology Systems Branch

**RAW SEQUENCE LISTING
ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/534,081
Source: PCT
Date Processed by STIC: 5-13-05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

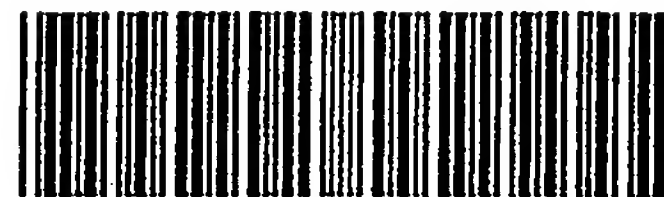
1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

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PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/534,081

DATE: 05/13/2005

TIME: 14:59:46

Input Set : A:\3119 USOP.seq.txt

Output Set: N:\CRF4\05132005\J534081.raw

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3 <110> APPLICANT: FUKATSU, Kohji
 4 SASAKI, Shinobu
 5 HINUMA, Shuji
 6 ITO, Yasuaki
 7 SUZUKI, Nobuhiro
 8 HARADA, Masataka
 9 YASUMA, Tsuneo
 11 <120> TITLE OF INVENTION: Modulator of Receptor Function
 13 <130> FILE REFERENCE: 3119USOP
 -> 15 <140> CURRENT APPLICATION NUMBER: US/10/534,081
 -> 15 <141> CURRENT FILING DATE: 2005-05-05
 15 <150> PRIOR APPLICATION NUMBER: PCT/JP2003/014139
 16 <151> PRIOR FILING DATE: 2003-11-06
 18 <150> PRIOR APPLICATION NUMBER: JP 2002-324632
 19 <151> PRIOR FILING DATE: 2002-11-08
 21 <150> PRIOR APPLICATION NUMBER: JP 2003-16889
 22 <151> PRIOR FILING DATE: 2003-01-27
 24 <150> PRIOR APPLICATION NUMBER: JP 2003-153986
 25 <151> PRIOR FILING DATE: 2003-05-30
 27 <160> NUMBER OF SEQ ID NOS: 26

Does Not Comply
 Corrected Diskette Needed
 (PS.1)

ERRORS

510 <210> SEQ ID NO: 26
 511 <211> LENGTH: 21
 512 <212> TYPE: RNA
 513 <213> ORGANISM: Artificial Sequence
 514 <220> FEATURE:
 515 <223> OTHER INFORMATION: n stands for deoxy ribothymidine
 517 <400> SEQUENCE: 26
 -> 518 nngaacaatc ggtaggetcc g 21

IF it is a DNA
 sequence, pls use type
 DNA and explain DNA/RNA
 in section 2207-
 2237.

No "Es"
 are allowed
 in a RNA
 sequence.

pls explain source
 of genetic
 material.
 See error explanation
 on page 2.

if errors shown exist throughout
 the Listing, Please check (prior)
 for similar errors.

RAW SEQUENCE LISTING ERROR SUMMARY..... DATE: 05/13/2005
 PATENT APPLICATION: US/10/534,081 TIME: 14:59:47

Input Set : A:\3119 USOP.seq.txt
 Output Set: N:\CRF4\05132005\J534081.raw

e of <220> Feature(NEW RULES):

quence(s) are missing the <220> Feature and associated headings.

e of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"

"Unknown". Please explain source of genetic material in <220> to <223>

ction (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32)

ec.1.823 of new Rules)

ERROR EXPLANATION:

¶#:11,12,21,22

VARIABLE LOCATION SUMMARY
PATENT APPLICATION: US/10/534,081

DATE: 05/13/2005
TIME: 14:59:47

Input Set : A:\3119 USOP.seq.txt
Output Set: N:\CRF4\05132005\J534081.raw

of n's or Xaa's (NEW RULES):
of n's and/or Xaa's have been detected in the Sequence Listing.
of <220> to <223> is MANDATORY if n's or Xaa's are present.
<220> to <223> section, please explain location of n or Xaa, and which
side n or Xaa represents.

I#:23; N Pos. 20,21
I#:24; N Pos. 1,2
I#:25; N Pos. 20,21
I#:26; N Pos. 1,2

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/534,081

DATE: 05/13/2005

TIME: 14:59:47

Input Set : A:\3119 USOP.seq.txt

Output Set: N:\CRF4\05132005\J534081.raw

15 M:270 C: Current Application Number differs, Replaced Current Application No
15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
370 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:11, <213>
GANISM:Artificial Sequence
370 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:11,Line#:370
379 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:12, <213>
GANISM:Artificial Sequence
379 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:12,Line#:379
468 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:21, <213>
GANISM:Artificial Sequence
468 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:21,Line#:468
477 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:22, <213>
GANISM:Artificial Sequence
477 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:22,Line#:477
488 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:23
488 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:23
488 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
498 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:24
498 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:24
498 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
508 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:25
508 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:25
508 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
518 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:26
518 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:26
518 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
518 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:3